

CLAIMS

1. An information processing device, installed to a traveling object, which performs wireless communications with a sensor, comprising:

sensor information obtaining means for obtaining sensor information that the sensor outputs;

storage means for storing the sensor information;

positional information obtaining means for obtaining positional information determining a position of the information processing device; and

processing means for executing predetermined processing on the basis of the sensor information and the positional information.

2. The information processing device according to Claim 1, further comprising

communication means for performing wireless communications with another information processing device which manages the sensor information of the sensor,

wherein the processing means, when having determined that a value of the sensor information has exceeded a predetermined threshold value for equal to or more than a predetermined time, transmits information indicating abnormality to the other information processing

device through the communication means.

3. The information processing device according to Claim 2, wherein

after having determined that the value of the sensor information has exceeded a predetermined threshold value for equal to or more than a predetermined time, the processing means, when having determined that the value of the sensor information has become the threshold value or less, transmits information indicating recovery to normal to the other information processing device through the communication means.

4. The information processing device according to Claim 2 or 3, wherein

the communication means performs the wireless communication in a packet switching system.

5. The information processing device according to any one of Claims 2 through 4, wherein

the communication means is a mobile phone.

6. The information processing device according to any one of Claims 1 through 5, wherein:

the processing means determines (i) whether or not a position indicated by the positional information, which

has been obtained by the positional information obtaining means, is near a destination of the traveling object, and (ii) whether or not the sensor information matches a predetermined content; and

the storage means, when the processing means has determined that the position indicated by the positional information, which has been obtained by the positional information obtaining means, is near a first destination of the traveling object, and that the sensor information matches a predetermined first content, stores determination time together with the sensor information of the sensor at the determination time

7. The information processing device according to Claim 6, wherein

the communication means transmits the time and the sensor information to the other information processing device when the traveling object has traveled a predetermined distance.

8. The information processing device according to Claim 6 or 7, wherein

the communication means further transmits the time and the sensor information stored in the storage means to the other information processing device by a short-range wireless communication, when the processing means has

determined that (i) the position indicated by the positional information, which has been obtained by the positional information obtaining means, is near a second destination of the traveling object and (ii) the sensor information matches a predetermined second content.

9. The information processing device according to any one of Claims 1 through 8, wherein  
the traveling object transports a package.

10. The information processing device according to Claim 9, wherein  
the sensor outputs temperature information of the package as the sensor information.

11. The information processing device according to Claim 9, wherein  
the sensor outputs vibration information of the package as the sensor information.

12. The information processing device according to any one of Claims 1 through 11, wherein  
the traveling object is a truck and the sensor is installed in a container of the truck.

13. An information processing system including the

information processing device and the other information processing device according to any one of Claims 9 through 12, wherein

the other information processing device uses the sensor information as quality management information of the package.

14. A vehicle being provided with the information processing device as in any one of Claims 9 through 12, the vehicle serving as the traveling object.

15. A vehicle including a container keeping a loaded package at a constant temperature, comprising:

a sensor, installed inside the container, which measures a temperature and outputs sensor information indicating the temperature measured; and

a mobile wireless terminal, installed near a driver seat of the vehicle, which communicates with the sensor by wireless so as to obtain the sensor information of the sensor,

the mobile wireless terminal transmitting the sensor information, which has been obtained by the mobile wireless terminal, to an information processing device by wireless communication.

16. An information processing method of an

information processing device, installed to a traveling object, which performs wireless communications with a sensor, the information processing method comprising:

- a sensor information obtaining step of obtaining sensor information that the sensor outputs;

- a storing step of storing the sensor information;

- a positional information obtaining step for obtaining positional information determining a position of the information processing device; and

- a processing step for executing predetermined processing on the basis of the sensor information and the positional information.

17. An information processing method of an information processing device, installed to a traveling object, which processes sensor information that a sensor outputs, the information processing method comprising:

- a sensor information obtaining step of obtaining the sensor information that the sensor outputs;

- a storing step of storing the sensor information; and

- a wireless transmission step of transmitting the sensor information stored in the storing step by wireless to another information processing device, according to a position of the information processing device.

18. An information processing program causing a

computer to serve as the information processing device according to any one of Claims 1 through 12.

19. An information processing program causing a computer to execute the information processing method according to Claim 16 or 17.

20. A computer-readable storage medium storing the information processing program according to Claim 18 or 19.